

Title (en)

Charge-air cooler with condensation drain

Title (de)

Ladeluftkühler mit Kondensatablauf

Title (fr)

Refroidisseur d'air de suralimentation doté d'une sortie de condensat

Publication

EP 2161430 B1 20110119 (DE)

Application

EP 09169314 A 20090903

Priority

DE 102008045685 A 20080904

Abstract (en)

[origin: EP2161430A1] The arrangement (10) has an intercooler (18) arranged between a supercharger (14) and an internal combustion engine (12). A charge air line (22) is arranged between the intercooler and the engine. A condensate discharge opening (24) is closed by an opening seal (26) and provided at a deep point of an air duct (20) of the intercooler. The opening is connected with the charge air line via a condensate discharge line (28). A throttle valve (30) is arranged in the charge air line and between the intercooler and the engine.

IPC 8 full level

F02B 29/04 (2006.01); **F02B 47/02** (2006.01)

CPC (source: EP)

F02B 29/0437 (2013.01); **F02B 29/0468** (2013.01); **F02B 47/02** (2013.01); **F02M 25/0222** (2013.01); **F02M 25/028** (2013.01); **F02B 29/0475** (2013.01); **F02M 26/06** (2016.02); **Y02T 10/12** (2013.01)

Cited by

WO2012048786A1; RU2727819C2; US8783233B2; FR3050237A1; US2015176480A1; US9382836B2; RU2677743C2; US9080499B2; WO2018024432A1; US9032939B2; US10502506B2; DE102010048465A1; DE102010048466A1; WO2012048784A1; US8726889B2; US9964024B2; US9169809B2; US10006338B2; US9267424B2; US9422855B2; US10060339B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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